

CITY OF SAN DIEGO STORM WATER POLLUTION PREVENTION PROGRAM
PROJECT LIST GOAL: Reduce Beach Closures By 50% By 2004

RANK	PROJECT NAME	PROJECT SCOPE	COST	ESTIMATED TIME TO IMPLEMENT	POTENTIAL FUNDING SOURCES	COMMENTS
1	Mission Bay Source Identification Survey	Execute source identification survey on 5 chronic problem areas in Mission Bay and along the coastline.	\$500,000	12 months	FUNDED by Governor's Clean Beaches Initiative.	Estimated project start Spring 2002.
2	Mission Bay Water Quality Study	Sample at 4 locations in Mission Bay and 20 locations in its subwatershed for bacterial analysis.	\$362,500	2 - 3 years - started 7/01	FUNDED by City Metro Wastewater	Alvarado Spill SE
3	Mission Bay Dry Weather Bacterial Source Testing	Execute sampling program and analyze for biological - DNA or RNA and other chemical markers to determine sources of bacteriological contamination.	\$800,000	18 months	FUNDED by Governor's Clean Beaches Initiative.	Estimated project start Spring 2002.
4	Mission Bay Human Pathogenic Viruses and Epidemiology Combined Study	Perform a human pathogenic virus study and epidemiological study at 5-6 selected locations on Mission Bay to determine the extent of pathogenic viral contamination to assess human health risks and the connection between water contact and human illnesses, and its frequency.	\$1,675,290	2 Years	\$975,290 FUNDED by SWRCB Cleanup and Abatement Fund; \$700,000 FUNDED by SEP - Tecolote Spill Fine	Project to be conducted by Southern California Coastal Water Research Project (SCCWRP).
5	Mission Bay Contaminant Dispersion Study	Predict the extend of contamination under a variety of physical conditions, such as tidal and creek influences	\$400,000	1 Year	FUNDED SEP - Tecolote Spill fine	Estimated project start Spring 2002.
6	San Diego River Mouth (Dog Beach) Bacteria	Perform spatical and temporal bacterial sampling of the San Diego River Channel at Dog Beach during	\$20,000	6 months	Storm Water Program budget	Independent study assess bacteria concentrations at

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	Source Study	January 2002.				mouth of the San Diego River
7	Beach Closure Public Awareness Campaign	Develop, produce and air 6-8 public awareness commercials a year for 3 years. The ads will be in English and Spanish and will identify appropriate behaviors the public can adapt to reduce bacteria counts at San Diego Beaches.	\$630,000	3 Years	Proposition 13 - next release	Commercial production - 3 months.
8	CIP No. 32-050.0 Rose & Tecolote Creeks Water Quality Improvements	Construct structural controls within the watershed and evaluate their effectiveness.	\$5,000,000	7 Years	Received \$2 million from FY00-01 State Budget appropriation; \$1.7 million Clean Beach Initiative	Planning study underway.
9	CIP No. 12-124.0 Beach Area Low Flow Storm Drain Diversion Phase II	Divert low dry weather flows including sewer spills to sewer collection system for treatment: 16 La Jolla sites; 2 Pacific Beach sites	\$2,510,000	1.5 Years	FUNDED by EPA Grant and Sewer Revenue Fund	Design completed. Construction scheduled 02/02 - 01/02
10	CIP No. 12-124.0 Beach Area Low Flow Storm Drain Diversion Phase III	Divert low dry weather flows including sewage spills to sewer connection system for treatment: 3 La Jolla sites; 5 Pacific Beach sites; 1 Ocean Beach site.	\$2,095,000	2 Years	FUNDED by EPA Grant and Sewer Revenue Fund	Design completed. Construction scheduled 09/02 - 05/03
11	CIP No. 12-124.0 Beach Area Low Flow Storm Drain Diversion Phase IV	Divert low dry weather flows including sewage spills to sewer collection system for treatment: 12 La Jolla sites; 2 Pacific Beach sites	\$3,335,000	3 Years	FUNDED by EPA Grant and Sewer Revenue Fund	Construction scheduled 08/03 - 04/04.

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12	Information Center for San Diego Water Monitoring	Create interactive web-based, GIS database for Mission Bay and other watersheds.	\$570,000	18 Months		2/21/01 EMPACT grant proposal not funded. No new funding for EMPACT (EPA) grant program.
13	Mission Bay Pilot Treatment Systems	Implement wet weather treatment technology at 4 locations around Mission Bay.	\$4,000,000	2.5 - 3 years	EPA grant. Proposition 13 - next release	Design and build 2 year duration.
14	CIP No. 22-945.0 Tecolote & Cudahy Creeks Treatment Wetlands	Construct treatment wetlands at Tecolote and Cudahy Creeks.	\$4.5 - 6.5 million	3 Years	\$160,000 received from sludge mitigation fund. EPA Grant. Proposition 13 - 2nd release.	Concept design alternatives being developed.
15	San Diego River Restoration Project	Provide ecologically-friendly erosion control and biofiltration within the river bed by restoring wetlands by removing exotic plants and planting native species.	\$1,930,000	3 Years	\$1.5 million Clean Beaches Initiative, \$430,000 SEP-Alvarado Spill	Planning in progress by consultant Bra Burkhardt. Some water quality monitoring also included in project.